

# Notice of Allowability

Application No.

10/675,312

Examiner

Eduardo Colon Santana

Applicant(s)

EL-IBIARY ET AL.

Art Unit

2837

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's after-final response filed on 6/26/2006.
2. ☒ The allowed claim(s) is/are 1-36.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20060731.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
LINCOLN DONOVAN  
SUPERVISORY PATENT EXAMINER

**DETAILED ACTION**

1. Applicant's after-final response filed on 6/28/2006 has been received and entered in the case.
2. Applicant's responses with respect to the claims have been fully considered.

**EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with L. Lee Eubanks on August 7, 2006.

4. The application has been amended as follows:

In the Claims:

Rewrite claims 30 and 34 as follows:

30. **(Currently Amended)** A computer program product, comprising:  
  
one or more computer readable media having programming instructions stored thereon, wherein the programming instructions enable a processor to decompose multiphase electrical data into a positive sequence and a negative sequence, to establish the efficiency of the motor based on the positive and negative sequence, and to output and/or store the establish efficiency of the motor to enable a user to analyze the motor based on the establish efficiency, wherein the establish efficiency is based on measurements taken from the motor

Art Unit: 2837

while coupled to a load, and wherein the measurements taken from the motor while in a coupled state are the only measurements taken from the motor to establish the efficiency of the motor.

**34. (Currently Amended)** A computer program product, comprising:

one or more computer readable media having programming instructions stored thereon, wherein the programming instructions enable a processor to decompose multiphase electrical data into a positive sequence and a negative sequence, to establish at least one motor electrical characteristic based on the positive sequence, and to output and/or store at least one establish motor electrical characteristic to enable a user to analyze the motor based on the at least one establish motor electrical characteristic, wherein to establish a positive sequence motor output power is based on measurements taken from the motor while coupled to a load, and wherein the measurements taken from the motor while in a coupled state are the only measurements taken from the motor to establish the motor output power.

***Allowable Subject Matter***

5. Claims 1-36 are allowed.

6. The following is an examiner's statement of reasons for allowance:

**Claims 1, 17, 27, 30 and 34:** In view of the limitations, the prior art does not disclose alone or in combination a system, method or a computer program product for establishing at least one operating parameter of a multiphase motor, having a processor operable to

Art Unit: 2837

receive data and to process the data in response to a computer program and to establish motor control output or efficiency based on the balance set of phasors with positive and negative sequence, based only on measurements taken from the motor while coupled to a load. Taking the measurements from two load points, having the first load point (i.e. zero, non-couple) is a nonobvious improvement over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Eduardo Colon Santana whose telephone number is (571) 272-2060. The examiner can normally be reached on Monday thru Thursday 6:30am - 5:00pm.

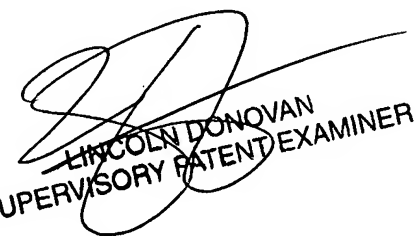
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lincoln Donovan can be reached on (571) 272-2800 X.37. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Eduardo Colon Santana  
Examiner  
Art Unit 2837

ECS  
August 7, 2006



LINCOLN DONOVAN  
SUPERVISORY PATENT EXAMINER